

MERC: Process Mercury Analyzer in Natural Gas



Application

On-line monitoring of mercury in gas:

- ✓ At transportation and gas processing facilities;
- ✓ At export gas transfer points;
- ✓ Gas control for liquefaction in LNG facilities.

Our priorities:

- Performance
- Reliability
- Flexibility
- Cost-efficiency

Support & Service:

BACS provides various ways of warranty and support programs including factory & end-user side training, phone & web assistance and customizable solutions for wide range of applications

For more information on any of our products or services please visit us at: www.bacs.ru

Key Benefits

- ✓ Direct continuous measurement of mercury concentration in natural gas;
- ✓ No need for complex sample preparation;
- ✓ Wide measurement range;
- ✓ Low detection limit;
- ✓ Fully automatic operation;
- ✓ High speed of analysis;
- ✓ High selectivity and measurement accuracy;
- ✓ Calibration stability;
- ✓ No additional gases needed for analysis.

Usability

- ✓ Automatic operation due to the built-in PC;
- ✓ Flexible software for remote access, configuration and data collection;
- ✓ Wide range of data transfer methods;
- ✓ Setting operation parameters and data exchange protocol ability.

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Low Cost of Ownership & Maintenance

- ✓ Low power consumption;
- ✓ Easy maintenance: each element of the analyzer can be replaced or serviced separately;
- ✓ Compact explosion-proof design;
- ✓ Built-in power supply 230 V.

Specification	
Principle of operation	Atomic absorption
Analyzed component	Elementary mercury
No. of analyzed streams	1
Operation mode	Automatic
Explosion protection	1 Ex db IIB + H ₂ T6 Gb
IP rating	IP 66
Supply voltage	230 V, 50 Hz
Power consumption	up to 190 W (when heating)
Heating time, min.	up to 60
Data transfer interfaces	RS232/RS485, Ethernet, 4-20 mA
Gas consumption	4 l / min
Software	Built-in and external
Ambient temperature range	from +10 to +35
Weight, not more than kg	70 kg
Dimensions, mm (L×W×H)	382 x 485 x 685

Metrological Characteristics	
Measurement Range	1 – 20000 ng/m ³ 10 – 200000 ng/m ³
Maximum Allowed Absolute Uncertainty	± (0,3/C+0,2)×100 ± (2,0/C+0,2)×100

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